

Attached Table 2 List of Categories, Areas, Disciplines and Research Fields

(1) List of Categories, Areas, Disciplines and Research Fields for FY2011 Grants-in-Aid for Scientific Research

Category: Integrated Science and Innovative Science

| Area | Discipline | Research Field | Item Number | Remark |
|----------------------|---|---|-------------|--------|
| Comprehensive fields | Informatics | Fundamental theory of informatics | 1001 | |
| | | Software | 1002 | |
| | | Computer system/Network | 1003 | A B |
| | | Media informatics/Database | 1004 | A B |
| | | Intelligent informatics | 1005 | |
| | | Perception information processing/Intelligent robotics | 1006 | A B |
| | | Sensitivity informatics/Soft computing | 1007 | A B |
| | | Library and information science/Humanistic social informatics | 1008 | A B |
| | | Cognitive science | 1009 | |
| | | Statistical science | 1010 | |
| | | Bioinformatics/Life informatics | 1011 | A B |
| | Cerebral Neuroscience | Neuroscience in general | 1101 | |
| | | Nerve anatomy/Neuropathology | 1102 | A B |
| | | Neurochemistry/Neuropharmacology | 1103 | |
| | | Neurophysiology and muscle physiology | 1104 | A B |
| | | Fusional basic brain science | 1105 | |
| | | Fusional brain recording science | 1106 | |
| | | Fusional social brain science | 1107 | |
| | Laboratory animal science | Laboratory animal science | 1201 | |
| | Biomedical engineering | Biomedical engineering/Biological material science | 1301 | A B |
| | | Medical systems | 1302 | |
| | | Rehabilitation science/Welfare engineering | 1303 | A B |
| | Health/Sports science | Physical education | 1401 | A B |
| | | Sports science | 1402 | A B |
| | | Applied health science | 1403 | A B |
| | Human life science | General human life sciences | 1501 | A B |
| | | Eating habits, studies on eating habits | 1502 | A B |
| | Science education/Educational technology | Science education | 1601 | ※ |
| | | Educational technology | 1602 | ※ |
| | Sociology/History of science and technology | Sociology/History of science and technology | 1701 | |
| | Cultural property science | Cultural property science | 1801 | |
| | Museology | Museology | 1851 | |
| | Geography | Geography | 1901 | |
| | Oncology | Carcinogenesis | 1951 | |
| | | Tumor biology | 1952 | |
| | | Tumor immunology | 1953 | |
| | | Tumor diagnosis | 1954 | |
| | | Clinical oncology | 1955 | |
| | | Cancer epidemiology and prevention | 1956 | |

| Area | Discipline | Research Field | Item Number | Remark | |
|------------------------------|-------------------------------|--|--|--------|--------|
| New multidisciplinary fields | Environmental science | Environmental dynamic analysis | 2001 | | |
| | | Environmental impact assessment/Environmental policy | 2002 | A B | |
| | | Risk sciences of radiation/Chemicals | 2003 | A B | |
| | | Environmental technology/Environmental materials | 2004 | A B | |
| | | Nanostructural science | 2101 | A B | |
| | | Nanomaterials/Nanobioscience | 2102 | A B | |
| | Microscience | Microdevices/Nanodevices | 2103 | A B | |
| | | Social/Safety system science | Social systems engineering/Safety system | 2201 | A B |
| | | | Natural disaster science | 2202 | A B |
| | Genome science | Genome biology | 2301 | | |
| | | Medical genome science | 2302 | | |
| | | System Genome Science | 2303 | | |
| | | Applied Genomics | 2304 | A B | |
| | Biomolecular science | Biomolecular science | 2401 | | |
| | | Chemical biology | 2402 | | |
| | Resource conservation science | Resource conservation science | 2501 | | |
| | Area studies | Area studies | 2601 | | |
| Gender | Gender | 2701 | | | |

Category: Humanities and Social Sciences

| Area | Discipline | Research Field | Item Number | Remark |
|------------|--|---|---------------------|--------|
| Humanities | Philosophy | Philosophy/Ethics | 2801 | |
| | | Chinese philosophy | 2802 | |
| | | Indian philosophy/Buddhist studies | 2803 | |
| | | Religious studies | 2804 | |
| | | History of thought | 2805 | |
| | | Aesthetics/Art history | 2806 | |
| | The arts | Study of the arts/History of the arts/Arts in general | 2851 | |
| | | Literature | Japanese literature | 2901 |
| | Literature in English | | 2902 | |
| | European literature (English literature excluded) | | 2903 | |
| | Literatures/Literary theories in other countries and areas | | 2904 | |
| | Linguistics | Linguistics | 3001 | ※ |
| | | Japanese linguistics | 3002 | |
| | | English linguistics | 3003 | |
| | | Japanese language education | 3004 | |
| | | Foreign language education | 3005 | ※ |
| | History | Historical studies in general | 3101 | |
| | | Japanese history | 3102 | |
| | | Asian history | 3103 | |
| | | History of Europe and America | 3104 | |
| | | Archaeology | 3105 | |
| | Human geography | Human geography | 3201 | |
| | Cultural anthropology | Cultural anthropology/Folklore | 3301 | |

The first stage of the screening of the research fields that have the indication "A" or "B" in the remarks column is carried out in separate groups. The basis for this division in separate groups is the keywords that need to be selected within each research category. Make sure to select A or B based on the Attached Table "List of Categories, Areas, Disciplines and Research Fields", when applying for these research fields

The first stage of the screening of the research fields that have the symbol "※" is carried out in separate groups. The basis for this division in separate groups is the keywords that need to be selected within "Scientific Research (C)". Make sure to select a division number from 1 to 5 based on the Attached Table "List of Categories, Areas, Disciplines and Research Fields", when applying for these research fields

In the case of "Scientific Research (C)", 13 research fields carried in the "List of Disciplines and Research Fields with a Time Limit" have been set up as areas for screening, besides the main table.

(Category: Humanities and Social Sciences)

| Area | Discipline | Research Field | Item Number | Remark |
|-------------------------|-------------------------|---|-------------|--------|
| Social sciences | Law | Fundamental law | 3401 | |
| | | Public law | 3402 | |
| | | International law | 3403 | |
| | | Social law | 3404 | |
| | | Criminal law | 3405 | |
| | | Civil law | 3406 | |
| | | New fields of law | 3407 | |
| | Politics | Politics | 3501 | |
| | | International relations | 3502 | |
| | Economics | Economic theory | 3601 | |
| | | Economic doctrine/ Economic thought | 3602 | |
| | | Economic statistics | 3603 | |
| | | Applied economics | 3604 | |
| | | Economic policy | 3605 | |
| | | Public finance/ Monetary economics | 3606 | |
| | | Economic history | 3607 | |
| | Business administration | Business administration | 3701 | ※ |
| | | Commerce | 3702 | |
| | | Accounting | 3703 | |
| | Sociology | Sociology | 3801 | ※ |
| | | Social welfare and social work studies | 3802 | |
| | Psychology | Social psychology | 3901 | |
| | | Educational psychology | 3902 | |
| | | Clinical psychology | 3903 | |
| | | Experimental psychology | 3904 | |
| | Education | Education | 4001 | ※ |
| | | Sociology of education | 4002 | |
| | | Education on school subjects and activities | 4003 | ※ |
| Special needs education | | 4004 | | |

Category: Science and Engineering

| | | | | | |
|------------------------------------|-----------------------------|--|--------------------------------|------|--|
| Mathematical and physical sciences | Mathematics | Algebra | 4101 | ※ | |
| | | Geometry | 4102 | | |
| | | General mathematics (including Probability theory/ Statistical mathematics) | 4103 | | |
| | | Basic analysis | 4104 | | |
| | | Global analysis | 4105 | | |
| | | Astronomy | Astronomy | 4201 | |
| | Physics | Particle/Nuclear/Cosmic ray/ Astro physics | 4301 | ※ | |
| | | Condensed matter physics I | 4302 | | |
| | | Condensed matter physics II | 4303 | ※ | |
| | | Mathematical physics/ Fundamental condensed matter physics | 4304 | | |
| | | Atomic/Molecular/ Quantum electronics | 4305 | | |
| | | Biophysics/Chemical physics | 4306 | | |
| | Earth and planetary science | Solid earth and planetary physics | 4401 | | |
| | | Meteorology/Physical oceanography/Hydrology | 4402 | | |
| | | Space and upper atmospheric physics | 4403 | | |
| | | Geology | 4404 | | |
| | | Stratigraphy/Paleontology | 4405 | | |
| | | Petrology/Mineralogy/ Science of ore deposit | 4406 | | |
| | | Geochemistry/Astrochemistry | 4407 | | |
| | Plasma science | Plasma science | 4501 | | |
| | Chemistry | Basic chemistry | Physical chemistry | 4601 | |
| | | | Organic chemistry | 4602 | |
| | | | Inorganic chemistry | 4603 | |
| | | Applied Chemistry | Analytical chemistry | 4701 | |
| | | | Synthetic chemistry | 4702 | |
| | | | Polymer chemistry | 4703 | |
| | | | Functional materials chemistry | 4704 | |
| | | | Environmental chemistry | 4705 | |
| Bio-related chemistry | | | 4706 | | |
| Materials chemistry | | Functional materials/Devices | 4801 | | |
| | | Organic industrial materials | 4802 | | |
| | | Inorganic industrial materials | 4803 | | |
| | | Polymer/Textile materials | 4804 | | |

| Area | Discipline | Research Field | Item Number | Remark | |
|---------------------------------|--|--|---|--------|--|
| Engineering | Applied physics | Applied materials science/ Crystal engineering | 4901 | | |
| | | Thin film/Surface and interfacial physical properties | 4902 | | |
| | | Applied optics/Quantum optical engineering | 4903 | | |
| | | Applied physics, general | 4904 | | |
| | | Engineering fundamentals | 4905 | | |
| | | Mechanical engineering | Materials/Mechanics of materials | 5001 | |
| | | | Production engineering/ Processing studies | 5002 | |
| | Design engineering/ Machine functional elements/ Tribology | | 5003 | | |
| | Fluid engineering | | 5004 | | |
| | Thermal engineering | | 5005 | | |
| | Dynamics/Control | | 5006 | | |
| | Intelligent mechanics/ Mechanical systems | | 5007 | | |
| | Electrical and electronic engineering | Power engineering/ Power conversion/ Electric machinery | 5101 | | |
| | | Electronic materials/ Electric materials | 5102 | | |
| | | Electron device/ Electronic equipment | 5103 | | |
| | | Communication/Network engineering | 5104 | | |
| | | System engineering | 5105 | | |
| | | Measurement engineering | 5106 | | |
| | | Control engineering | 5107 | | |
| | Civil engineering | Civil engineering materials/ Construction/ Construction management | 5201 | | |
| | | Structural engineering/ Earthquake engineering/ Maintenance management engineering | 5202 | | |
| | | Geotechnical engineering | 5203 | | |
| | | Hydraulic engineering | 5204 | | |
| | | Civil engineering project/ Traffic engineering | 5205 | | |
| | | Civil and environmental engineering | 5206 | | |
| | Architecture and building engineering | Building structures/materials | 5301 | | |
| | | Architectural environment/equipment | 5302 | | |
| | | Town planning/Architectural planning | 5303 | | |
| | | Architectural history/design | 5304 | | |
| | Material engineering | Physical properties of metals | 5401 | | |
| | | Inorganic materials/ Physical properties | 5402 | | |
| | | Composite materials/ Physical properties | 5403 | | |
| Structural/Functional materials | | 5404 | | | |
| Material processing/treatments | | 5405 | | | |
| Process engineering | Metal making engineering | 5406 | | | |
| | Properties in chemical engineering process/Transfer operation/Unit operation | 5501 | | | |
| | Reaction engineering/ Process system | 5502 | | | |
| | Catalyst/Resource chemical process | 5503 | | | |
| Integrated engineering | Biofunction/Bioprocess | 5504 | | | |
| | Aerospace engineering | 5601 | | | |
| | Naval and maritime engineering | 5602 | | | |
| | Earth system and resources engineering | 5603 | | | |
| | Recycling engineering | 5604 | | | |
| | Nuclear fusion studies | 5605 | | | |
| | Nuclear engineering | 5606 | | | |
| | Energy engineering | 5607 | | | |

Category: Biological Sciences

| Area | Discipline | Research Field | Item Number | Remark | | |
|---|---|---|---|---|------|---|
| Biology | Basic biology | Genetics/Genome dynamics | 5701 | | | |
| | | Ecology/Environment | 5702 | | | |
| | | Plant molecular biology/ Plant physiology | 5703 | | | |
| | | Morphology/Structure | 5704 | | | |
| | | Animal physiology/ Animal behavior | 5705 | | | |
| | | Biodiversity/Systematics | 5706 | | | |
| | | Structural biochemistry | 5801 | | | |
| | Biological science | Functional biochemistry | 5802 | | | |
| | | Biophysics | 5803 | | | |
| | | Molecular biology | 5804 | | | |
| | | Cell biology | 5805 | | | |
| | | Developmental biology | 5806 | | | |
| | | Evolutionary biology | 5807 | | | |
| | Anthropology | Physical anthropology | 5901 | | | |
| | | Applied anthropology | 5902 | | | |
| | Agricultural sciences | Agriculture | Breeding science | 6001 | | |
| | | | Crop science/Weed science | 6002 | | |
| | | | Horticulture/Landscape architecture | 6003 | | |
| | | | Plant pathology | 6004 | | |
| | | | Applied entomology | 6005 | | |
| | | Agricultural chemistry | Plant nutrition/Soil science | 6101 | | |
| Applied microbiology | | | 6102 | | | |
| Applied biochemistry | | | 6103 | | | |
| Bioproduction chemistry/ Bioorganic chemistry | | | 6104 | | | |
| Food science | | | 6105 | | | |
| Forestry | | Forest science | 6201 | | | |
| | | Wood science | 6202 | | | |
| Fisheries science | | General fisheries | 6301 | | | |
| | | Fisheries chemistry | 6302 | | | |
| Agro-economics | | Agronomy | 6401 | | | |
| Agro-engineering | | Irrigation, drainage and rural engineering/Rural planning | Agricultural environmental engineering | 6501 | | |
| | | | Agricultural information engineering | 6502 | | |
| | | | | 6503 | | |
| Zootechnical science/ Veterinary medical science | | Zootechnical science/ Grassland science | Applied animal science | 6601 | | |
| | | | Basic veterinary science/ Basic zootechnical science | 6602 | | |
| | | | Applied veterinary science | 6603 | | |
| | | | Clinical veterinary science | 6604 | | |
| | | | | 6605 | | |
| Boundary agriculture | | Boundary agriculture | Applied molecular and cellular biology | 6701 | | |
| | | | | 6702 | | |
| Medicine, dentistry, and pharmacy | | Pharmacy | Chemical pharmacy | 6801 | | |
| | | | Physical pharmacy | 6802 | | |
| | | | Biological pharmacy | 6803 | ※ | |
| | | | Drug development chemistry | 6804 | | |
| | | | Environmental pharmacy | 6805 | | |
| | | | Medical pharmacy | 6806 | | |
| | | Basic medicine | General anatomy (including histology/embryology) | General physiology | 6901 | ※ |
| | | | | Environmental physiology (including physical medicine and nutritional physiology) | 6902 | |
| | General pharmacology | | | 6903 | | |
| | General medical chemistry | | | 6904 | | |
| | Pathological medical chemistry | | | 6905 | | |
| | Human genetics | | | 6906 | | |
| | Human pathology | | | 6907 | ※ | |
| | Experimental pathology | | | 6908 | ※ | |
| | Parasitology (including sanitary zoology) | | | 6909 | | |
| | Bacteriology (including mycology) | | | 6910 | | |
| | Virology | | | 6911 | | |
| | Immunology | | | 6912 | | |
| | | | | 6913 | | |

| Area | Discipline | Research Field | Item Number | Remark | | | |
|-----------------------------------|----------------------------|--|--|-----------------|--------------------------------------|------|---|
| Medicine, dentistry, and pharmacy | Boundary medicine | Medical sociology | 7001 | | | | |
| | | Applied pharmacology | 7002 | | | | |
| | | Laboratory medicine | 7003 | | | | |
| | | Pain science | 7004 | | | | |
| | Society medicine | Hygiene | Public health/Health science | 7101 | | | |
| | | | Legal medicine | 7102 | | | |
| | | | | 7103 | | | |
| | Clinical internal medicine | General internal medicine (including psychosomatic medicine) | Gastroenterology | 7201 | ※ | | |
| | | | Circulatory organs internal medicine | 7202 | ※ | | |
| | | | Respiratory organ internal medicine | 7203 | ※ | | |
| | | | Kidney internal medicine | 7204 | ※ | | |
| | | | Neurology | 7205 | ※ | | |
| | | | Metabolomics | 7206 | ※ | | |
| | | | Endocrinology | 7207 | ※ | | |
| | | | Hematology | 7208 | ※ | | |
| | | | Collagenous pathology/ Allergology | 7209 | ※ | | |
| | | | Infectious disease medicine | 7210 | ※ | | |
| | | | Pediatrics | 7211 | ※ | | |
| | | | Embryonic/Neonatal medicine | 7212 | ※ | | |
| | | | Dermatology | 7213 | ※ | | |
| | | | Psychiatric science | 7214 | ※ | | |
| | | | Radiation science | 7215 | ※ | | |
| | | | General surgery | 7216 | ※ | | |
| | | | Clinical surgery | General surgery | Digestive surgery | 7301 | ※ |
| | | | | | Thoracic surgery | 7302 | ※ |
| | | | | | Cerebral neurosurgery | 7303 | ※ |
| | | | | | Orthopaedic surgery | 7304 | ※ |
| | | | | | Anesthesiology/Resuscitation studies | 7305 | ※ |
| | | | | | Urology | 7306 | ※ |
| | | | | | Obstetrics and gynecology | 7307 | ※ |
| | | | | | Otorhinolaryngology | 7308 | ※ |
| | Ophthalmology | 7309 | | | ※ | | |
| | Pediatric surgery | 7310 | | | ※ | | |
| | Dentistry | Plastic surgery | Emergency medicine | 7311 | | | |
| | | | Morphological basic dentistry | 7312 | | | |
| | | | Functional basic dentistry | 7313 | | | |
| | | | Pathobiological dentistry/ Dental radiology | 7401 | | | |
| | | | Conservative dentistry | 7402 | | | |
| | | | Prosthetic dentistry | 7403 | | | |
| | | | Dental engineering/ Regenerative dentistry | 7404 | | | |
| | | | Surgical dentistry | 7405 | ※ | | |
| | | | Orthodontic/Pediatric dentistry | 7406 | | | |
| | | | Periodontal dentistry | 7407 | | | |
| | | | Social dentistry | 7408 | | | |
| | | | Fundamental nursing | 7409 | | | |
| | | | Clinical nursing | 7501 | | | |
| | Nursing | Lifelong developmental nursing | Community health/ Gerontological nursing | 7502 | | | |
| | | | 7503 | | | | |
| | | | 7504 | ※ | | | |